

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

**Claims 1-3 (canceled)**

**Claim 4 (previously presented):** An information-processing device for a communication source that performs tunnel communication with a communication destination device, comprising:

a tunnel communication part for performing the tunnel communication with encapsulated communication target data;

a judgment part for determining whether the information-processing device is a caller or a callee in the tunnel communication; and

an address determination part for determining an address used for the communication target data according to the determination by the judgment part.

**Claim 5 (previously presented):** The information-processing device as claimed in claim 4, wherein the address determination part determines the address used for the communication target

data by selecting from a plurality of predetermined addresses.

**Claims 6-7 (canceled)**

**Claim 8 (currently amended):**      [[An]] The information-processing device for a communication source that performs tunnel communication with a communication destination device as claimed in claim 4, further comprising:

~~—— a tunnel communication part for performing the tunnel communication with encapsulated communication target data;~~  
~~—— a judgment part for determining whether the information-processing device is a caller or a callee in the tunnel communication;~~

a tunnel communication identifier acceptor for accepting a tunnel communication identifier for identifying the tunnel communication; ~~and~~ wherein

[[an]] the address determination part determines for ~~determining~~ an address used for the communication target data, according to the determination by the judgment part and the tunnel communication identifier.

**Claim 9 (previously presented):** The information-processing device as claimed in claim 8, wherein the address determination part determines a part of the address used for the

communication target data according to the tunnel communication identifier, and determines—another part of the address used for the communication target data according to the determination by the—judgment part.

**Claim 10 (currently amended):** The information-processing device as claimed in ~~any one of claims 1, 4, 6, and~~ claim 8, wherein the address determination part determines at least a part of the address used for the communication target data by selecting from a plurality of predetermined addresses.

**Claim 11 (currently amended):** The information-processing device as claimed in ~~any one of claims 1, 4, 6, and~~ claim 8, wherein the tunnel communication part performs two or more tunnel communications with two or more destination communication devices, further comprising:

a detection part for detecting whether two or more addresses used for the communication target data are the same in the two or more tunnel communications; and

an address changing part for changing at least one of the addresses used for the communication target data if the detection part detects that two or more addresses are the same.

**Claim 12 (currently amended):** The information-  
processing device as claimed in ~~any one of claims 1, 4, 6, and~~  
~~claim 8~~, further comprising:

an address change information receiver for receiving  
address change information including information related to an  
address change; and

an address changing part for changing the address used for  
the communication target data, according to the address change  
information.

**Claim 13 (currently amended):** The information-  
processing device as claimed in ~~any one of claims 1, 4, 6, and~~  
~~claim 8~~, wherein the tunnel communication part performs two or  
more tunnel communications with two or more devices for a  
communication destination or destinations, further comprising:

a detection part for detecting whether two or more  
addresses that are used for the communication target data are  
the same in the two or more tunnel communications;

an address agreement information transmitter for  
transmitting address agreement information showing that  
addresses are the same if the detection part detects that two or  
more addresses are the same;

an address change information receiver for receiving  
address change information including information related to

address change; and

an address changing part for changing the address used for the communication target data according to the address change information.

**Claim 14 (currently amended):** The information-processing device as claimed in ~~any one of claims 1, 4, 6, and 8~~claim 8, further comprising an address output part for outputting the address determined by the address determination part.

**Claim 15 (previously presented):** The information-processing device as claimed in claim 14, wherein the address output part transmits the address determined by the address determination part.

**Claim 16 (currently amended):** A communication system comprising:

an information-processing device as claimed in ~~any one of claims 1, 4, 6, and 8~~claim 8;

the communication destination device; and

a server that performs a process for establishing tunnel communication performed between the information-processing device and ~~a~~ the communication destination device.

**Claims 17-19 (canceled)**

**Claim 20 (previously presented):** A server comprising:

a judgment part for determining, for a tunnel communication between a first information-processing device and a second information-processing device, which is a caller or callee;

an address determination part for determining a first address of the first information-processing device and a second address of the second information-processing device, wherein both addresses are used for encapsulated communication target data in the tunnel communication performed between the first information-processing device and the second information-processing device according to the determination by the judgment part; and

an address output part for outputting the first address and the second address determined by the address determination part.

**Claim 21 (previously presented):** A server as claimed in claim 20, wherein the address determination part determines the first address and the second address by selecting from a plurality of predetermined addresses.

**Claims 22-23 (canceled)**

**Claim 24 (currently amended):**      [[A]] The server as  
claimed in claim 20 further comprising:  
~~— a judgment part for determining, in a tunnel communication~~  
~~between a first information-processing device and a second~~  
~~information-processing device, which is a caller or callee;~~  
a tunnel communication identifier acceptor for accepting a  
tunnel communication identifier for identifying the tunnel  
communication performed between the first information-processing  
device and the second information-processing device; wherein  
[[an]] the address determination part ~~for~~  
~~determining~~ determines a first address of the first information-  
processing device and a second address of the second  
information-processing device, both addresses used for  
encapsulated communication target data in the tunnel  
communication performed between the first information-processing  
device and the second information-processing device according to  
the determination by the judgment part and according to a tunnel  
communication identifier accepted by the tunnel communication  
identifier acceptor; ~~and~~  
~~— an address output part for outputting the first address and~~  
~~the second address determined by the address determination part.~~

**Claim 25 (previously presented):** The server as claimed in

claim 24, wherein the address determination part determines a part of an address used for the communication target data according to the tunnel communication identifier, and determines another part of the address used for the communication target data according to a determination by the judgment part.

**Claim 26 (currently amended):** The server as claimed in ~~any one of claims 22 and 24~~claim 24, wherein the address determination part determines at least a part of the address used for the communication target data by selecting from a plurality of predetermined addresses.

**Claim 27 (currently amended):** The server as claimed in ~~any one of claims 17, 20, 22, and 24~~claim 20, wherein the address output part transmits the first address and the second address to the first information-processing device and the second information-processing device.

**Claim 28 (currently amended):** A communication system comprising:

a server as claimed in ~~any one of claims 17, 20, 22, and 24~~claim 20;-

a first information-processing device that performs tunnel communication using the first address for the communication



target data; and

a second information-processing device that performs tunnel communication with the first information-processing device using the second address for the communication target data.

**Claims 29-31 (canceled)**

**Claim 32 (currently amended):** A method of determining an address, comprising:

A judging step of determining which of a first information-processing device and a second information-processing device performing tunnel communication is a caller or a callee~~—~~; and

a step of determining an address used for encapsulated communication target data in the tunnel communication performed between the first information-processing device and the second information-processing device according to the determination by the judging step.

**Claims 33-35 (canceled)**

**Claim 36 (currently amended):** ~~[[A]]~~The method of determining an address as claimed in claim 32, comprising:

~~— a judging step of determining which of a first information-processing device and a second information-processing device~~

~~performing tunnel communication is a caller or a callee, ; and~~

a step of determining an address used for encapsulated communication target data in the tunnel communication performed between the first information-processing device and the second information-processing device according to a determination by the judging step, and according to a tunnel communication identifier for identifying tunnel communication performed between the first information-processing device and the second information-processing device.

**Claim 37 (previously presented):** The method of determining an address as claimed in claim 36, further comprising a step of accepting the tunnel communication identifier, wherein the step of determining an address determines the address using the tunnel communication identifier accepted in the step of accepting a tunnel communication identifier.

**Claim 38-53 (canceled)**